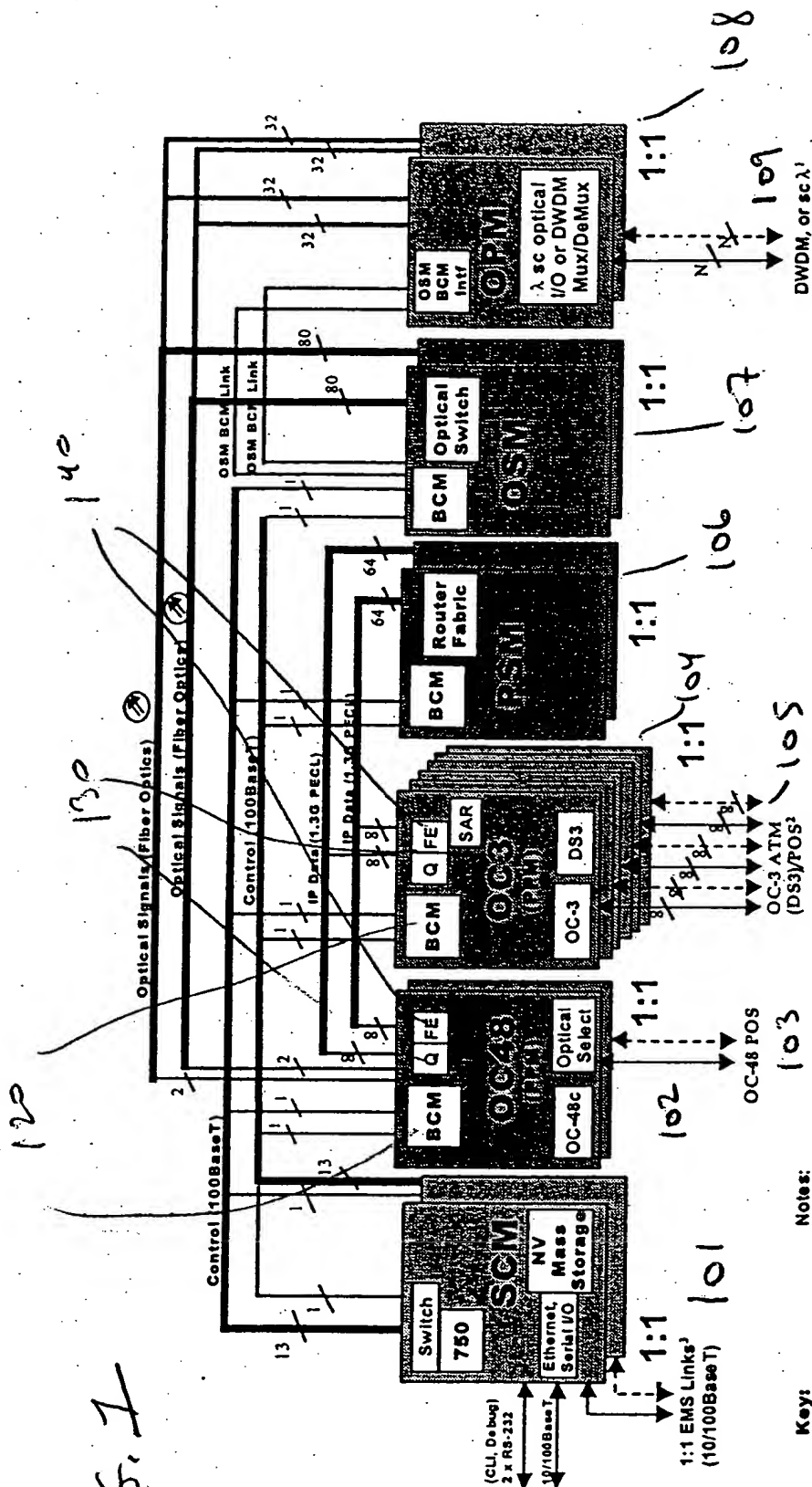


FIG. 1



Notes:

1. There are two versions of OPM packs - DWDM and Single Channel (sc) λ . The number of external bi-directional optical signals, N, will be equal to 1 for DWDM and equal to 4 for sc λ . The OPM will not be 1:1 protected when used in Network Ring Topology.
2. The OC3 PPM pack supports 8 bi-directional OC-3 signals that may alternatively support OC3c Packet Over SONET (POS), OC3c IP/ATM, or OC3 IP/ATM/DS3 tributaries. These facilities may be in a 1+1 protection arrangement (as shown) or simplex.
3. The specifies the number of EMS links from the shelf. It does not address the number of EMS system that can talk to the shelf.

Key:

- Active
- Standby

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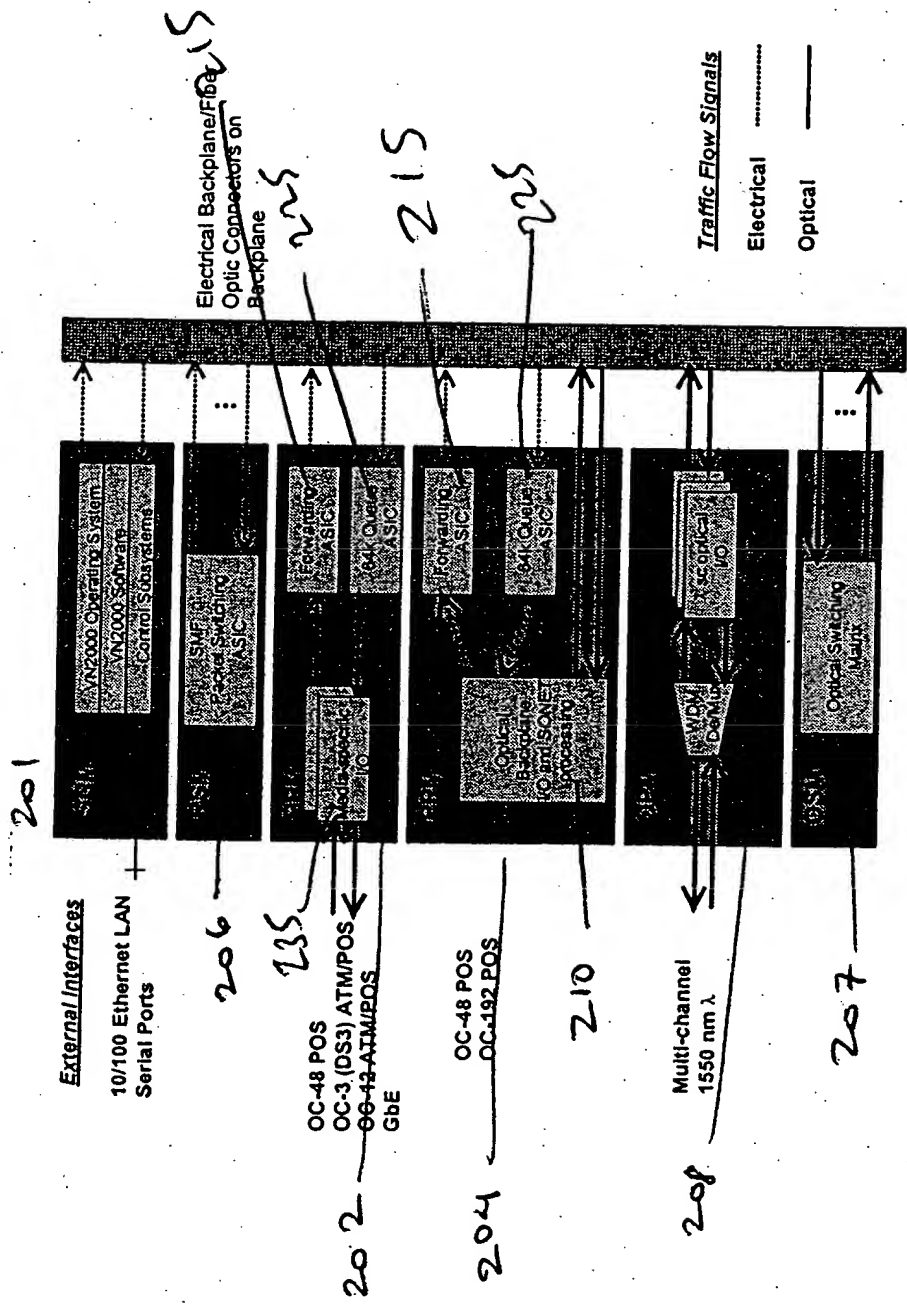


FIG. 2

Fig 3A

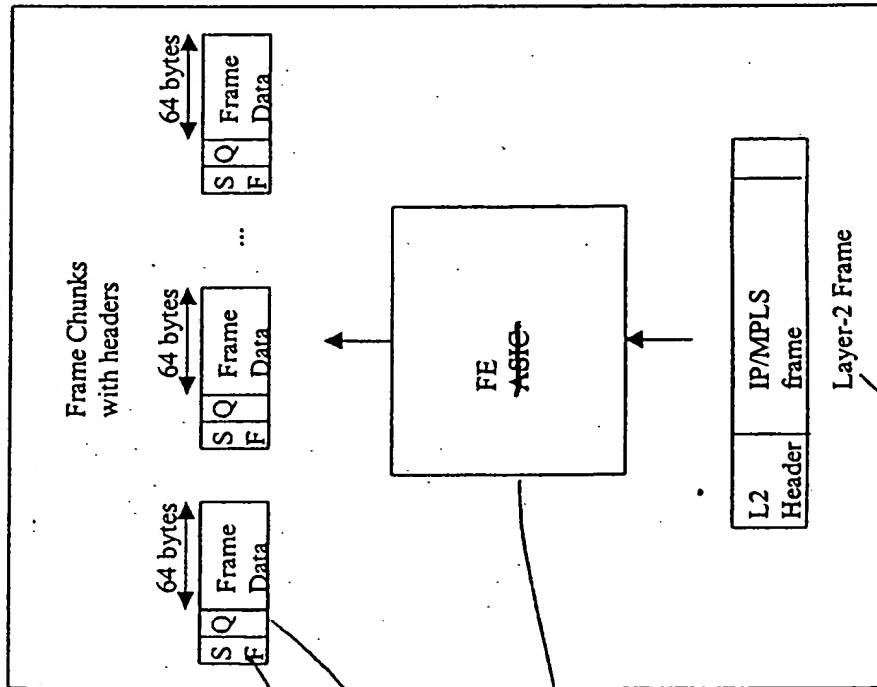


Fig 3B

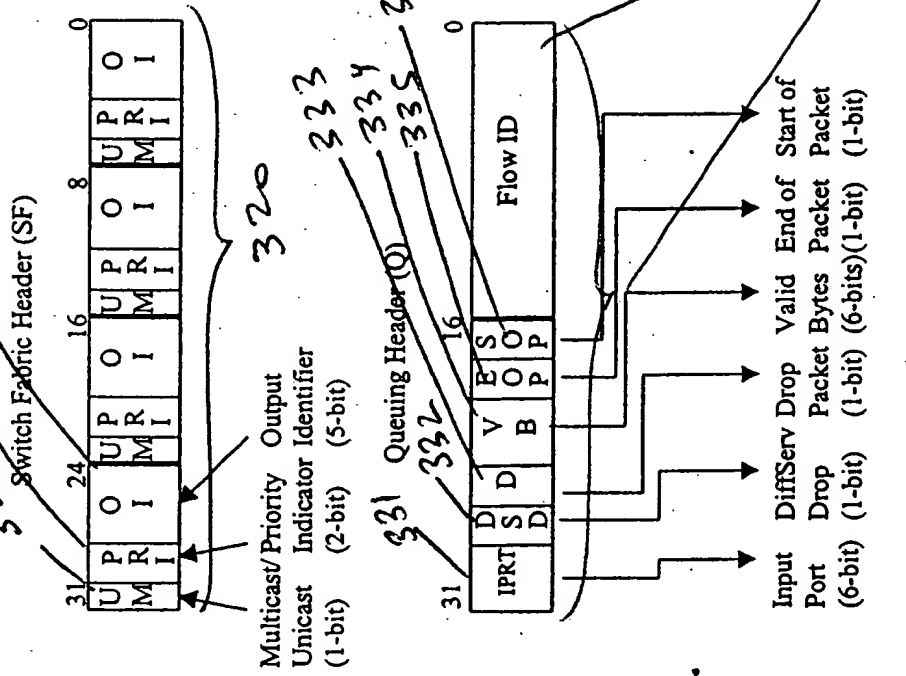
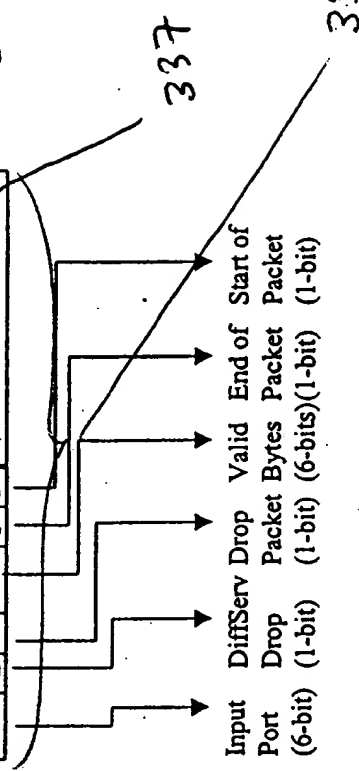
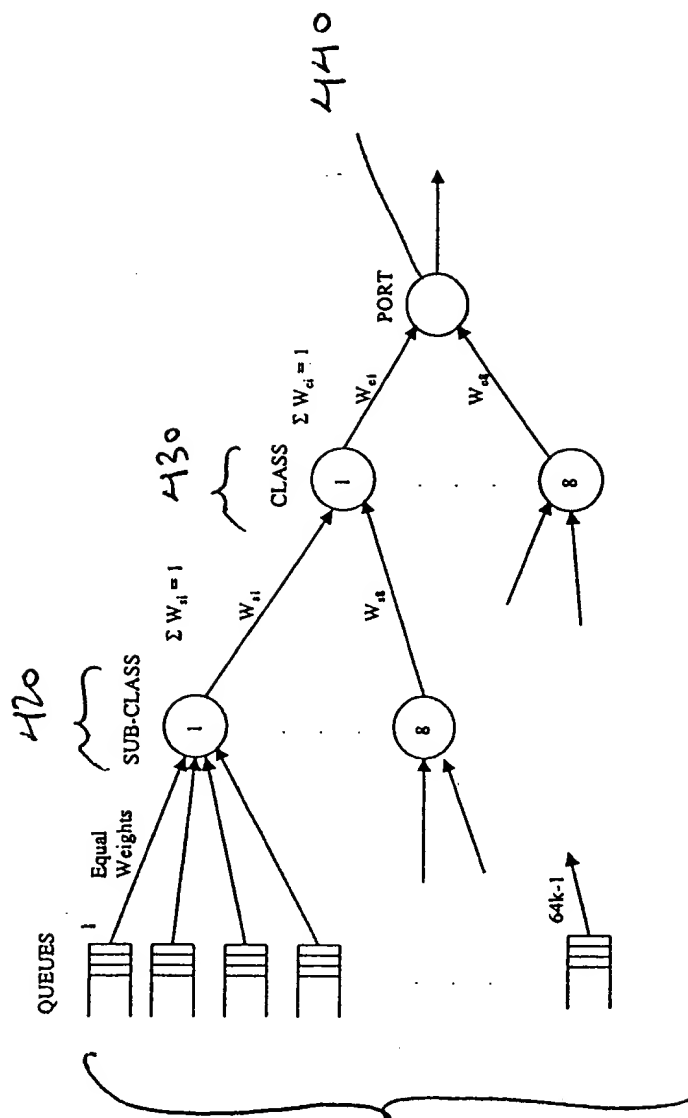


Fig 3C



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FIG. 4

Service Differentiation Implementation